

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P23695	Serial No. 10/646,835
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hiroshi NOMURA	
		Filing Date August 25, 2003	Group 2873

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
[Signature]		6 0 5 2 5 3 5	04/18/00	UNO			
		5 2 2 3 8 7 3	06/29/93	TSUBOI			
		5 0 8 6 3 1 2	02/04/92	TANAKA et al.			
		5 4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
		6 0 6 9 7 4 5	05/30/00	FUJII et al.			
		6 3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
	5 4 8 5 3 1 5	06/16/96	NOMURA et al.				

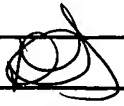



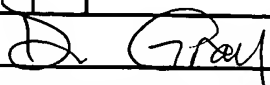
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
[Signature]	1	0 - 3 2 7 4 0	02/03/98	JAPAN			X
	7	- 2 8 8 7 2 4	10/31/95	JAPAN			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
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	6	1	-	0	9	0	0	2	04/09/86	JAPAN				
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	6		-	1	8	7	7	7	01/28/94	JAPAN			X	
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	58	-	1	6	2	9	1	4	09/27/83	JAPAN				
		0	6	3	4	6	8	0	01/18/95	E.P.O.				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)														
		1	English Language Abstract of JP 58-10708.											
		2	English Language Abstract of JP 2003-207709.											
		3	English Language Abstract of JP 2002-277719.											
		4	English Language Abstract of JP 10-282394.											
		5	English Language Abstract of JP 58-162914.											
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	YEAR	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 7 7 1 3 0 3	09/13/88	MATSUMOTO et al.			
		4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.			
		5 1 3 6 3 2 4	08/04/92	TSUBOI et al.			
		5 7 6 5 0 4 9	06/09/98	HASE et al.			
		5 8 3 2 3 2 6	11/03/98	TANAKA			
		6 3 6 6 3 2 3	04/02/02	SHONO			
		6 1 1 5 1 9 0	09/05/00	HIRAI			
		6 0 6 4 5 3 3	05/16/00	KENIN et al.			
	2003	0 0 8 1 3 2 5	05/01/03	NOMURA et al.			
	2001	0 0 2 4 5 7 3	09/27/01	NOMURA et al.			
	2002	0 1 3 5 9 0 0	09/26/02	NOMURA et al.			
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	2002	0 1 3 5 9 0 1	09/26/02	NOMURA et al.			
	2003	0 0 8 1 3 2 7	05/01/03	NOMURA et al.			
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		5 4 3 0 5 1 6	07/04/95	UZIIE et al.			
	2003	0 0 8 1 9 4 8	05/01/03	NOMURA et al.			
	2001	0 0 1 9 4 5 8	09/06/01	NOMURA et al.			
	4 9 9 3 8 1 5	02/19/91	YAMAZAKI et al.				
	5 7 3 1 9 1 3	03/24/98	IMANARI				
	5 7 3 9 9 6 2	04/14/98	ASAKURA et al.				
2003	0 1 5 6 8 3 2	08/21/03	NOMURA et al.				
	5 5 8 7 7 5 4	12/24/96	KATAYAMA et al.				
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EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA		
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		4	6	4	3	5	5	4	02/17/87	OGAWA		

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